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NOTICE OF ALLOWANCE AND FEE(S) DUE

58986

7590

06/12/2009

THE RAFFERTY PATENT LAW FIRM 1952 Gallows Road Suite 200 Vienna, VA 22182-3823 EXAMINER

BRUNSMAN, DAVID M

ART UNIT PAPER NUMBER

1793

DATE MAILED: 06/12/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/560,964	12/16/2005	Kyung Byung Yoon	P10003US	2375

TITLE OF INVENTION: PROCESS FOR PREPARING POROUS HYBRID COMPRISING ZEOLITE AND CHITOSAN AND POROUS HYBRID PREPARED THEREBY

APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional YES \$755 \$300 \$0 \$1055 09/14/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

ppropriate. All further ndicated unless correcte naintenance fee notificat		ng the Patent, advance on nerwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	aintenance fees will condence address; ar	be m nd/or (ailed to the current b) indicating a separ	correspoi rate "FEI	ndence address as E ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
1952 Gallows Ro Suite 200					Certifi	icate o	of Mailing or Transm Transmittal is being cient postage for first SUE FEE address 273-2885, on the da	nission deposite class ma above, o te indica	d with the United ail in an envelope r being facsimile ted below.
Vienna, VA 221	82-3823								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR	A	TTOR	NEY DOCKET NO.	CONFI	RMATION NO.
10/560,964 ITLE OF INVENTION REPARED THEREBY	12/16/2005 N: PROCESS FOR PR	EPARING POROUS H	Kyung Byung Yoo YBRID COMPRISIN		EOLITE AND CHI		P10003US N AND POROUS I	HYBRID	2375
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE F	EE	TOTAL FEE(S) DUE		DATE DUE
nonprovisional	YES	\$755	\$300		\$0 \$1055		\$1055		09/14/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS						
BRUNSMAN	N, DAVID M	1793	106-162200						
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a sregistered attorney 2 registered patent	reprinting on the patent front page, list the names of up to 3 registered patent attorneys ents OR, alternatively, the name of a single firm (having as a member a tered attorney or agent) and the names of up to istered patent attorneys or agents. If no name is a no name will be printed.					
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIG	ess an assignee is ident h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON 7 ified below, no assignee eletion of this form is NO categories (will not be pr	data will appear on the Tasubstitute for filing (B) RESIDENCE: (C)	he pa g an a	tent. If an assignee ssignment. and STATE OR CO	UNTR	Y)		
			•						
a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 						
•	tus (from status indicated s SMALL ENTITY statu	,	☐ b. Applicant is no	long	er claiming SMALL	ENTI'	TY status. See 37 CF	R 1.27(g)(2).
OTE: The Issue Fee and terest as shown by the r	d Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other the Office.	nan th	e applicant; a registe	red att	orney or agent; or the	e assigne	e or other party in
Authorized Signature					Date				
Typed or printed name			Registration No						
n application. Confident abmitting the completed his form and/or suggesti	tiality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR (1.14. This collection i depending upon the i e Chief Information O	s esti Indivi Ifficer	mated to take 12 mir dual case. Any comi . U.S. Patent and Tra	nutes to ments adema	o complete, including on the amount of tin rk Office. U.S. Depa	g gathering ne you re rtment of	ng, preparing, and quire to complete f Commerce. P.O.

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10/560,964	12/16/2005	Kyung Byung Yoon	P10003US	2375	
58986 75	90 06/12/2009		EXAM	INER	
THE RAFFERTY	Y PATENT LAW FI	BRUNSMAN, DAVID M			
1952 Gallows Road	d	ART UNIT	PAPER NUMBER		
Suite 200 Vienna, VA 22182	3873	1793			
vicilia, vA 22162	-3623	DATE MAILED: 06/12/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 847 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 847 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	Applicant(s)			
	10/560,964	YOON ET AL.	YOON ET AL			
Notice of Allowability	Examiner	Art Unit				
	David M. Brunsman	1793				
		-				
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate com GHTS . This application i) in this application. If not include munication will be mailed in due	led course. THIS			
1. This communication is responsive to <i>the application filing</i> .						
2. The allowed claim(s) is/are <u>1-23</u> .						
3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the:		d) or (f).				
1. Certified copies of the priority documents have		.e N.				
2. Certified copies of the priority documents have			atian fuana tha			
3. Copies of the certified copies of the priority do	cuments nave been recei	ved in this national stage applica	ation from the			
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.					
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached						
1) hereto or 2) to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).						
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of	Informal Patent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),				
3. ☑ Information Disclosure Statements (PTO/SB/08),		o./Mail Date r's Amendment/Comment				
Paper No./Mail Date <u>20060210, 20051216</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8 🕅 Examine	r's Statement of Reasons for All	owance			
of Biological Material	9.	. o statement of reasons for All	3.1.d.100			
/David M Brunsman/	J. [] Oulei	·				
Primary Examiner, Art Unit 1793						

Art Unit: 1793

The following is an examiner's statement of reasons for allowance: The prior art of record fails to teach or suggest a porous chitosan-linking compound-zeolite hybrid as set forth in the instant claims or the method of making it.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David M. Brunsman whose telephone number is 571-272-1365. The examiner can normally be reached on M, Th, F, Sa; 7:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on 571-272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/560,964

Art Unit: 1793

/David M Brunsman/ Primary Examiner, Art Unit 1793

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